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**AMENDMENTS TO THE CLAIMS:**

**Please cancel claims 16, 28 and 29 without prejudice or disclaimer**

1-4. (Canceled)

5. (Currently amended) DNA having embedded information, comprising:  
a gene portion including genetic information;  
a portion, other than said gene portion, including no genetic information; and  
a nucleotide sequence which is not naturally occurring in said DNA and which is  
embedded in said portion including no genetic information, and comprises source identification  
information for identifying a source of said genetic information in said gene portion, ~~said  
nucleotide sequence being embedded so as not to affect transmission of said genetic information.~~

6-7. (Canceled)

8. (Currently amended) DNA comprising:  
at least one special sequence which is not naturally occurring in said DNA and that is  
intentionally designed and is included as a part of a nucleotide sequence,  
wherein said at least one special sequence comprises source identification information for  
identifying the source of genetic information included in said DNA, and  
wherein said at least one special sequence is embedded in said DNA ~~so as not to affect  
the transmission of said genetic information included in said DNA.~~

9. (Previously presented) The DNA according to claim 8, wherein said at least one special  
sequence comprises a plurality of sequences embedded at predetermined locations of said DNA.

10. (Previously presented) The DNA according to claim 8, wherein said at least one special  
sequence comprises a plurality of sequences having a plurality of types of patterns embedded at

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predetermined locations of said DNA.

11. (Currently amended) A nucleotide sequence in DNA, comprising:  
source identification information for identifying a source of genetic information in said DNA,  
wherein said information is embedded in said DNA and is not naturally occurring in said DNA ~~so as not to affect transmission of said genetic information in said DNA.~~
12. (Currently amended) A cell in an organism, said cell having DNA comprising:  
a gene portion including genetic information;  
a portion; other than said gene portion, ~~including no genetic information;~~ and  
a nucleotide sequence which is not naturally occurring in said DNA and which is embedded in said portion other than said gene portion ~~including no genetic information,~~ and comprises source identification information for identifying a source of said genetic information in said gene portion, ~~said nucleotide sequence being embedded so as not to affect transmission of said genetic information.~~
- 13-14. (Canceled)
15. (Currently amended) DNA comprising:  
a first portion comprising genetic information;  
a second portion ~~which is devoid of genetic information;~~ and  
at least one nucleotide sequence which is not naturally occurring in said DNA and is embedded in said second portion, for identifying a source of said genetic information in said first portion, ~~said nucleotide sequence being embedded so as not to affect transmission of said genetic information.~~
16. (Canceled)

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17. (Previously presented) The DNA according to claim 15, wherein said genetic information comprises a value-added gene that is provided by one of selective breeding, cultivation, and gene manipulation.

18. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence comprises a plurality of sequences having a plurality of types of patterns embedded at predetermined locations in said second portion.

19. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence comprises a plurality of nucleotide sequences.

20. (Previously presented) The DNA according to claim 19, wherein said plurality of nucleotide sequences comprises different nucleotide sequences.

21. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence is copy tolerant.

22. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence is embedded at a random location in said second portion.

23. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence and is not naturally generated through gene mutation.

24. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence comprises one of a restrictive enzyme identification sequence and a promoter.

25. (Previously presented) The DNA according to claim 15, wherein said at least one

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nucleotide sequence is detectable using a nucleotide sequence that is complementary to said at least one nucleotide sequence.

26. (Previously presented) The DNA according to claim 15, wherein said at least one nucleotide sequence is embedded at a predetermined location in said second portion.

27. (Previously presented) The DNA according to claim 15, wherein said nucleotide sequence is correlated with said source identification information.

28.- 29.(Canceled)

30. (Currently amended) The DNA according to claim 5  $\pm$ , wherein said nucleotide sequence comprises a watermark sequence.